

Four Corners Air Quality Task Force  
Oil & Gas / Cumulative Effects Work Group Joint Conf Call Notes  
December 12, 2006

Attendees:

Jen Mattox, CDPHE; Andy Berger, NMED; Mike George, NPS; David Schneck, San Miguel County Environmental Health Department; Kathy Van Dame, Wasatch Clean Air Coalition; Christi Zeller, La Plata County; Dale Wirth, BLM; Roger Armstrong, Twin Stars Ltd.; Ron Friesen, Environ; Kellie Skelton, Energen; Mike Brand, Cummins; Suzanne Holland, Chevron; Walt Brown, USDA-FS; Ran MacDonald, Utah Department of Environmental Quality; Lisa Sumi, OGAP; Mark Jones, NMED; Kevin Briggs, CDPHE; Roger Cole, Mike Lazaro, Argonne

Agenda:

Main purpose of call to discuss & add to oil and gas mitigation options that have been tagged for further analysis by the Cumulative Effects Work Group.

1. Tagged items for CE:

Oil and Gas Group asked to review tracking table version 12/6/06 after last conference call to look through options and tag those that group wants Cumulative Effects work group to analyze & provide EI info for. (\*CE work group will not provide cost benefit support at this time)

Since 12/6 Oil and Gas Work Group Call, Mike Lazaro, Argonne w/Bill Hochheiser, added 7 tags, Walt Brown added 1 tag, interim emissions recommendation for Drill Rigs option day of conference call. See current list of tagged mitigation options on Oil and Gas work group page,

[http://www.nmenv.state.nm.us/aqb/4C/oil\\_gas\\_workgroup.html](http://www.nmenv.state.nm.us/aqb/4C/oil_gas_workgroup.html).

Jen M.: There will be additional tagged options from the midstream operations category...from options that have yet to be brainstormed and drafted.

Mike George provides an overview of what CE group will do with tagged options.... Use new improved WRAP inventory as base inventory. Supply appropriate emissions data to mitigation option paper. Then Analyze mitigation option & estimate Tons/pollutant reduced. CE work group efforts will feed into modeling group work.

Does WRAP inventory include SW Colorado inventory...M.G. yes cookie cut grid with CO,NM, AZ, UT.

Work Group members directed to Oil and Gas Tracking Table on 4CAQTF Oil and Gas Work Group page, [http://www.nmenv.state.nm.us/aqb/4C/oil\\_gas\\_workgroup.html](http://www.nmenv.state.nm.us/aqb/4C/oil_gas_workgroup.html).

2. GO OVER NEW TAGS:

Mike Lazaro has offered to help Cumulative Effects Work Group with mitigation option analysis. The list of tagged options Mike added to list 12/11 in stationary RICE & RIG engines categories are options Mike, Argonne, may be able to help analyze. Argonne & CE work group will want to work together to make sure mitigation option analysis is consistent.

Mike L, Mike G. suggested Oil and Gas Work Group might need to prioritize which tagged mitigation options are most important to analyze by CE work group. Not urgent. Discuss in later call or meeting.

Discussion on new RICE engine tags:

New Tags added include

Use of SCR for NOx control on lean burn engines, added 12/11

Use of NSCR / 3-way Catalysts and Air/Fuel Ratio Controllers on Stoichiometric Engines, added 12/11  
Use of Oxidation Catalysts and Air/Fuel Ratio Controllers on Lean Burn Engines, added 12/11  
Install Lean Burn Engines, Added 12/11  
Interim Emissions Recommendations for Stationary RICE, added 12/11

What are the data needs for mitigation options analyses? Analysis of ammonia emissions still uncertain; CE Group will need to collect data source / wait for studies.

Clarification for CE support on "Install Lean Burn for Compressors" mitigation options and tag, recommended 12/11. Decision: Perhaps modify mit/op to incorporate CE support re: rich v lean burn? Need clarification- does the option mean changing out small rich burn with larger lean burn??? Or limit horsepower change to above 300hp for lean burn? OG Workgroup will discuss this clarification on next conference call.

#### Discussion on new RIG engine tags:

New tags include:

Selective Non-Catalytic Reduction (SNCR), added 12/11  
Interim Emissions Recommendations for Drill Rigs, added 12/11

What are the data needs for mitigation options analysis? Questions as to what will be in new WRAP Emissions Inventory.

Clarification requested on interim emissions recommendations for Drill Rigs: what types of assumptions needed for participation in voluntary program? Difficult to quantify based on option alone. Suggest analysis based on #all new rigs? Or based on #for all rigs? Some clarification or default assumptions needed

#### Wrap Inventory Discussion:

Discuss new improved WRAP inventory again and what data it will provide. Mike G and work group discuss educating Oil and Gas / Cumulative Effects Work Groups on new improved WRAP inventory. A conference call will be scheduled for Jan 8, 2007, at 9 am MST for Oil and Gas / Cumulative Effects Work Group to hear presentation on WRAP inventory, what it will contain and how we will use it for analysis. Mike will create visual PPT presentation. It will be posted on Oil and Gas webpage before the Jan 8<sup>th</sup> mtg.

#### 3. Update Tracking Table

Tracking table updated with latest set of options tagged for Cumulative Effects. See Oil and Gas webpage, [http://www.nmenv.state.nm.us/aqb/4C/oil\\_gas\\_workgroup.html](http://www.nmenv.state.nm.us/aqb/4C/oil_gas_workgroup.html), for latest version of mitigation option tracking table.

Call adjourned, 4:15 pm.

Next Oil & Gas / Cumulative Effects Work Group Joint Call will be Mon. January 8, 2007 at 9 AM. Call in information will be sent to Task Force